

Dkt. #1075-PCT-US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : RUARO, et al.
U.S. Serial No. : Not Yet Known, corresponding to International
Application No. PCT/IT2003/000317, filed May
23, 2003, which claims priority of Italian
Application No. RM2002A000604, filed November
29, 2002
Filed Date : Herewith
For : METHOD AND DEVICE FOR IMAGE PROCESSING AND
LEARNING WITH NEURONAL CULTURES

Law Offices of Albert Wai-Kit Chan, LLC
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May 24, 2005

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450
Mail Stop Patent Application

Sir/Madam:

INFORMATION DISCLOSURE STATEMENT

In accordance with their duty of disclosure under 37 C.F.R. §1.56, Applicants would like to direct the Examiner's attention to the following references which are listed below and on Forms PTO/SB/08A and PTO/SB/08B (which are attached hereto as **Exhibit A**), and each individual reference further attached as **Exhibits 1** through **5**.

1. PCT International Search Report for S.I.S.S.A. SCUOLA INTERNAZIONALE SUPERIORE DI STUDI AVANZATI, Int'l Application No. PCT/IT2003/000317, Filed May 23, 2003, Dated June 30, 2004. [**Exhibit 1**]
2. PCT International Preliminary Examination Report for S.I.S.S.A. SCUOLA INTERNAZIONALE SUPERIORE DI STUDI AVANZATI, Int'l Application No. PCT/IT2003/000317, Filed May 23, 2003, Dated January 14, 2005. [**Exhibit 2**]

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3. EGGERS, et al.; "Electronically wired Petri dish: A microfabricated interface to the biological neuronal network", Journal of Vacuum Science & Technology: Part B, vol. 8, no.6, November 1, 1990 (1990-11-01), pages 1392-1398, XP000169149. **[Exhibit 3]**
4. BUITENWEG, et al; "Finite Element Modeling of the Neuron-Electrode Interface", IEEE Engineering In Medicine and Biology, November 2000 (2002-11), pages 46-52, XP000975448. **[Exhibit 4]**
5. European Patent No. EP1104911 A2 for The Regents of the University of California, August 25, 1994. "CNN bionic eye or other topographic sensory organs or combinations of the same". **[Exhibit 5]**

If a telephone interview would be of assistance in advancing prosecution of the subject application, Applicants' undersigned attorney invites the Examiner to telephone him at the number provided below.

No fee is deemed necessary in connection with the filing of this IDS. However, if any fee is required, authorization is hereby given to charge the amount of any such fee to Deposit Account No. 50-1891.

Respectfully submitted,

Albert Wai Kit Chan

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PTO/SB/08A (02-03)
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(Use as many sheets as necessary)

Sheet

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Complete if Known

Application Number	Not Known
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Filing Date	Herewith
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First Named Inventor	RUARO, Maria
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Art Unit	Not Yet Known
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Examiner Name	Not Yet Known
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Attorney Docket Number	1075-PCT-US
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[illegible][illegible]

**Examiner
Signature**

Date Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.¹ Applicant's unique citation designation number (optional).² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.⁶ Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Complete if Known	
		Application Number	Not Yet Known 10/536481
		Filing Date	Herewith
		First Named Inventor	RUARO, Maria
		Art Unit	Not Yet Known
		Examiner Name	Not Yet Known
Sheet 2	of 2	Attorney Docket Number	1075-PCT-US

OTHER PRIOR ART—NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	1	PCT International Search Report for S.I.S.S.A. SCUOLA INTERNAZIONALE SUPERIORE DI STUDI AVANZATI, Int'l Application No. PCT/IT2003/000317, Filed May 23, 2003, Dated June 30, 2004.	
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	3	EGGERS, et al.; "Electronically wired Petri dish: A microfabricated interface to the biological neuronal network", Journal of Vacuum Science & Technology: Part B, vol. 8, no.6, November 1, 1990 (1990-11-01), pages 1392-1398, XP000169149.	
	4	BUITENWEG, et al; "Finite Element Modeling of the Neuron-Electrode Interface", IEEE Engineering In Medicine and Biology, November 2000 (2002-11), pages 46-52, XP000975448.	

Examiner Signature		Date Considered	
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